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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

2 Serial No. 10/602,438
3 Filing Date Jun 23, 2003
3 Inventorship Goldstein
4 Applicant Microsoft Corporation
4 Attorney's Docket No. MS1-1467US
5 Title: Multidimensional Data Object Searching Using Bit Vector Indices
6

INFORMATION DISCLOSURE STATEMENT

7 *References -- See Attached Form PTO-1449*

8 **REMARKS**

9 With regard to the above-identified application, the documents listed on the
10 enclosed Form 1449 are brought to the attention of the Examiner. A copy of each
11 document listed on the enclosed Form 1449 is provided. Consideration of the listed
12 documents is respectfully requested. Additionally, it is requested that the
13 Examiner return a copy of the attached Form 1449, marked as being considered
14 and initialed by the Examiner, to the undersigned with the next official
15 communication.

16
17 No representation is made that any of the documents listed in the enclosed Form
18 1449 constitute prior art or are in any way material to the subject matter of the
19 above-identified application

20
21 Respectfully Submitted,

22 By:

23 Steven J. Spellman
24 Reg. No 45,124

25 Date: 8/1/2003

Please type a plus sign (+) inside this box →

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AUG 01 2003

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

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of

2

Complete if Known	
Application Number	10/602,438
Filing Date	Jun 23, 2003
First Named Inventor	Goldstein
Group Art Unit	
Examiner Name	
Attorney Docket Number	MS1-1467US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		KATAYAMA, NORIO; SATOH, SHIN'ICHI; "The SR-Tree: An Index Structure for High-Dimensional nearest Neighbor Queries" April 1997; ACM Arizona, USA; pages 369-380	
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		GOLDSTEIN, JOHNATHAN; RAMAKRISHNAN, RAGHU; "Contrast Plots and P-Sphere Trees: Space vs. Time in Nearest Neighbor Searches"; VLDB Conference, Cairo, Egypt, 2000; 12 pages	
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		HJALTASON, GISLI R.; SAMET, HANAN; "Ranking in Spatial Databases"; University of Maryland, pages 83-95	
		FUNKHOUSER, THOMAS; MIN, PATRICK; KAZHDAN, MICHAEL; CHEN, JOYCE; HALDERMAN, ALEX; DOBKIN, DAVID; JACOBS, DAVID; "A Search Engine for 3D Models"; ACM Transactions on Graphics, Vol V., No. N; 28 Pages; 2002	
		KRIESEL, HANS-PETER; POTKE, MARCO; SEIDL, THOMAS; "Object-Relational Indexing for General Interval Relationships"; 21 pages; Germany, 2001	
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		O'NEIL, PATRICK; QUASS, DALLAN; "Improved Query Performance with Variant Indexes"; SIGMOD 1997; Pages 38 - 49; Arizona	
		GUTTMAN, ANTONIN; "R-trees: A Dynamic Index Structure for Spatial Searching" ACM; Pages 47-57; 1984	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO				Complete if Known	
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(use as many sheets as necessary)				Filing Date	Jun 23, 2003
				First Named Inventor	Goldstein
				Group Art Unit	
				Examiner Name	
Sheet	2	of	2	Attorney Docket Number	MS1-1467US

NON PATENT LITERATURE DOCUMENTS		
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		WEBER, ROGER; SCHEK, HANS-J; BLOTT, STEPHEN; "A Quantitative Analysis and Performance Study for Similarity-Search Methods in High-Dimensional Spaces"; VLDB Conference; Pages 194-205; 1998; New York, USA
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		H. EDELSBRUNNER; MAURER, H.A.; "On the Intersection of Orthogonal Objects"; Information Processing Letters, v13, n4 & 5; North Holland, August, 1981; pages 177-181
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		O'NEIL, PATRICK; "Model 204 Architecture and Performance"; High Performance Transaction Systems Workshop; September 1987; pages 40-59

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